MAT.06.TE.1.000SP.J.171 C1 TJ

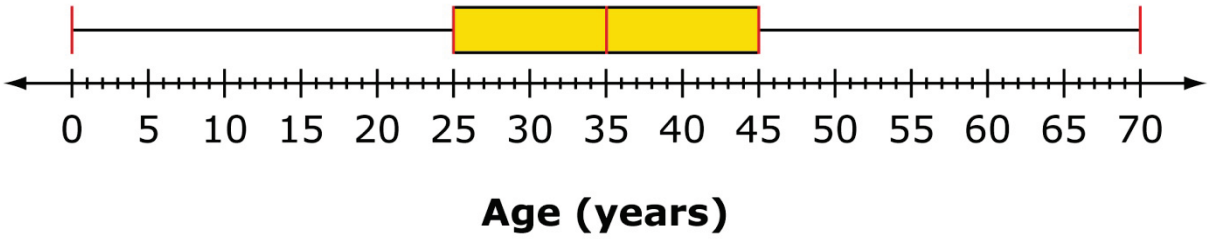
Sample Item ID:	MAT.06.TE.1.000SP.J.171
Grade:	06
Primary Claim:	**Claim 1: Concepts and Procedures** Students can explain and apply mathematical concepts and carry out mathematical procedures with precision and fluency.
Secondary Claim(s):	
Primary Content Domain:	Statistics and Probability
Secondary Content Domain(s):	
Assessment Target(s):	1 J: Summarize and describe distributions.
Standard(s):	6.SP.4, 6.SP.5
Mathematical Practice(s):	4, 5
DOK:	2
Item Type:	TE
Score Points:	2
Difficulty:	M
Key:	See Sample Top-Score Response.
Stimulus/Source:	
Target-Specific Attributes (e.g., accessibility issues):	It will be a challenge to assess blind or low-vision students, or students with limited motor skills with regard to creating box plots.
Notes:	

The ages, in years, of the 28 members of a gym class are listed.

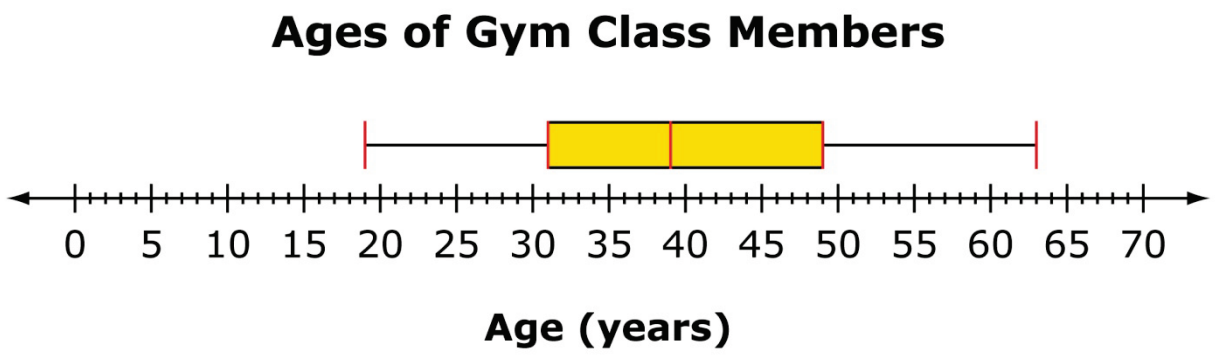
19, 21, 22, 27, 29, 31, 31, 31, 33, 34, 37, 38, 39, 39,
39, 41, 43, 45, 46, 47, 49, 49, 51, 51, 52, 54, 56, 63

Construct a box plot of the data in the list. Click each red line in the box plot and drag it to the correct position.

Ages of Gym Class Members



Sample Top-Score Response:



Scoring Rubric:

Responses to this item will receive 0-2 points, based on the following:

2 points: The student shows a thorough understanding of how to construct a box plot. The student correctly plots the minimum, both quartiles, median, and maximum.

1 point: The student shows a partial understanding of how to construct a box plot. The student correctly plots 3 or 4 of the 5 values mentioned above, and the values that are not plotted correctly are only 1 away from the correct value.

0 points: The student shows little or no understanding of how to construct a box plot. The student correctly plots less than 3 of the 5 values, or the student plots 1 or more values that are more than 1 away from the correct value.